

Application Serial No.: 10/565,690  
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#### AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in this Application.

1. (Currently Amended) A single use, sealable package that is adapted, when sealed after insertion of contents, to resist leakage of said contents when subjected to a raised internal pressure compared to external, ambient pressure over a range of temperatures, so as to meet pertinent international and federal standards for shipping hazardous ~~substances contained~~ contents therein by commercial air transport, the package comprising:

a flexible, air-impervious envelope having an outer wall, wherein

portions of said outer wall form a slot through said outer wall and also form first and second lips on said outer wall adjacent said slot, the slot and lips having a length along the slot, and

an adhesive strip positioned selectively to close the slot in said outer wall along the entire length of said slot with a double seal formed along the outer wall of the envelope, wherein the adhesive strip comprises two parallel adhesive faces and has opposite first and second ends thereon, and wherein

a first of said parallel adhesive faces is completely covered with a first, detachable protective strip prior to closing the slot,

a second of said parallel adhesive faces comprises a first zone adjacent said first end of the strip that is fixed to the outer wall of the envelope along and beyond the entire length of said first lip of said slot and a second zone that extends

adjacent and beyond the slot and said second lip of the slot and along the entire length of said slot, and

said second zone of the second face of the adhesive strip is covered with a second detachable protective strip prior to closing the slot, whereby the slot is adapted to be doubly sealed along its entire length on the outer wall of the envelope by, first, the first face of the adhesive strip and also, second, by the second face of the adhesive strip bonding to the outer wall of the envelope adjacent and beyond the end of the first face of the adhesive strip when the package is filled, closed and sealed, and shipped. after the package is filled with said contents and closed and sealed for shipment, the slot is adapted to be permanently sealed along its entire length by,

on its first lip, a double seal comprising:

first, the first zone of the second face of the adhesive strip adhering to the outer wall,

and

second, the first face of the adhesive strip adhering to a portion of the outer wall of the container in an area spaced from the slot; and

on its second lip, an elongated seal comprising the second zone of the second face of the adhesive strip extending from the slot and the second lip to and beyond the first edge of the adhesive strip and there adhering to a different portion of said outer wall of the container.

2. (Currently Amended) A package according to claim 1, wherein the outer wall of the envelope has a further portion extending beyond the second lip of the slot for a distance at least equal to a length of the second zone of the second parallel adhesive face of the adhesive strip.

3. (Cancelled).

4. (Previously Presented) A package according to claim 1, wherein the slot is rectilinear.

5. (Previously Presented) A package according to claim 4, wherein the slot is arranged close to a rectilinear edge of the envelope.

6. (Previously Presented) A package according to claim 1, wherein the envelope (30) is divided into a plurality of distinct pockets, each of said distinct pockets communicating with a respective portion of the slot.

7. (Previously Presented) A package according to claim 1, wherein the envelope comprises at least one sheet comprising an outer layer of oriented polyamide, and an inner, polyethylene layer laminated to said outer layer.

8. (Previously Presented) A package according to claim 1, wherein the adhesive strip comprises at least one sheet of synthetic olefin polymer, covered on two sides with a rubber based adhesive.

9. (Currently Amended) A method for airtight packing of a product, comprising the steps of:

- ~~providing-obtaining~~ a package constructed according to claim 1;
- inserting the product into the envelope through the slot,
- removing the ~~first-second detachable~~ protective strip covering the second zone of the second parallel adhesive face of the adhesive strip, and sealing said second zone on the second lip of the slot and onto the outer wall of the envelope;
- removing the ~~second-first detachable~~ protective strip from the first parallel adhesive face of the adhesive strip; and

folding the envelope back on itself along the slot, so that

the stripped first face of the adhesive strip is folded back on itself to form said double seal over the slot and first lip, and

said elongated seal is formed on the second lip of the outer wall.

10. (Currently Amended) A method for airtight packing of a product according to claim 9, wherein a relative pressure of at least 0.95 bar and a temperature in the range of -40 °C to 55 °C exists inside said package after packing without losing ~~product~~said contents outside the ~~envelope~~package.

11. (Previously Presented) A package according to claim 2, wherein the slot is rectilinear.

12. (Cancelled).

13. (Previously Presented) A package according to claim 2, wherein the envelope is divided into a plurality of distinct pockets, each communicating with a respective portion of the slot.

14. (Cancelled).

15. (Previously Presented) A package according to claim 4, wherein the envelope is divided into a plurality of distinct pockets, each communicating with a respective portion of the slot.

16. (Previously Presented) A package according to claim 2, wherein the envelope comprises at least one sheet comprising an outer layer of oriented polyamide, and an inner, polyethylene layer laminated to said outer layer.

17. (Cancelled).

18. (Previously Presented) A package according to claim 4, wherein the envelope comprises at least one outer sheet comprising an outer layer of oriented polyamide, and an inner, polyethylene layer laminated to said outer layer.

19. (Previously Presented) A package according to claim 2, wherein the adhesive strip comprises at least one sheet of synthetic olefin polymer, covered on two sides with a rubber based adhesive.

20. (Cancelled).

21. (New) A single use, sealable package that is adapted, when sealed after insertion of selected contents, to resist leakage or loss of said contents when subjected to a raised internal pressure compared to external, ambient pressure over a range of temperatures, so as to meet pertinent international and federal standards for shipping hazardous contents therein by commercial transport, the package comprising:

a flexible, air-impervious envelope having an outer wall, wherein

portions of said outer wall form a slot through said outer wall and also form first and

second lips on said outer wall adjacent said slot, the slot having a length along the

slot and the lips having a length extending beyond both ends of the slot;

an adhesive strip positioned selectively to close the slot in said outer wall along the entire length of

and beyond said slot, the adhesive strip comprising a substrate strip covered by opposite

first and second, generally parallel adhesive faces and having opposite first and second

lateral edges extending parallel to the slot,

wherein, before the package is closed,

said first parallel adhesive face is completely covered with a first detachable protective strip,

and

said second parallel adhesive face comprises

a first zone adjacent said first lateral edge of the strip that is fixed to the outer wall of

the envelope along the entire length of said first lip of said slot, and

a second zone adjacent said second lateral edge of the strip that is adapted to extend

adjacent and beyond the slot and over said second lip of the slot, said second

zone being covered with a second detachable protective strip, and

said second zone is substantially wider than the said first zone, forming an elongated

zone transverse to the slot; and

wherein, after the package is filled with said contents and closed and sealed for shipment, the slot is adapted to be doubly sealed by

a first seal bridging the slot between the two lips, formed by (i) the substrate of the adhesive strip, (ii) the juncture of the first zone and the second zone of the second face of the adhesive strip adhering to the outer wall of the package, and (iii) the first face of the adhesive strip overlapping and adhering to itself opposite the first zone of the second face of the adhesive strip, and by a second seal formed by said elongated zone extending beyond the first edge of the adhesive strip and there adhering on both its opposite faces to different portions of the folded-over outer wall.

22. (New) A package according to claim 21, wherein the outer wall comprises a weld bead, and wherein the weld bead is adjacent to the slot.

23. (New) A package according to claim 1, wherein the outer wall comprises a weld bead, and wherein the weld bead is adjacent to the slot.